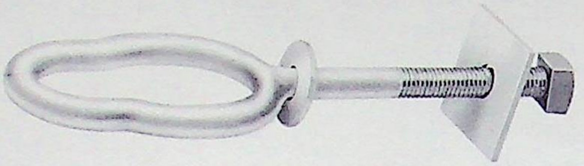
No. 149-2



No. 158-2

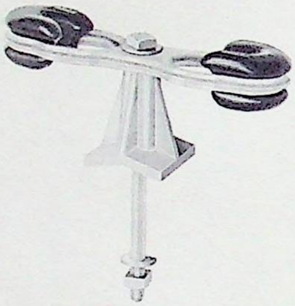
RACO Deadends

RACO Deadends have been in extensive use in railroad service for over forty years, giving excellent service.

Type No. 158-2 requires horizontal drilling of crossarms for a ½″ galvanized eye bolt. Types **No. 239-12** and **-13** are furnished with ½″ galvanized bolts, and keep deadended line wires at same elevation as through wires. No additional drilling of crossarms required.

Brown, glazed, dry porcelain insulators **No. 149-2** fit both types of deadends and are so designed that when in eyebolt or bracket, they will not fall out. The open slot in the insulator permits easy replacement in case of a broken porcelain without the necessity of undoing the line wire serving.

All metal parts are hot dipped galvanized.



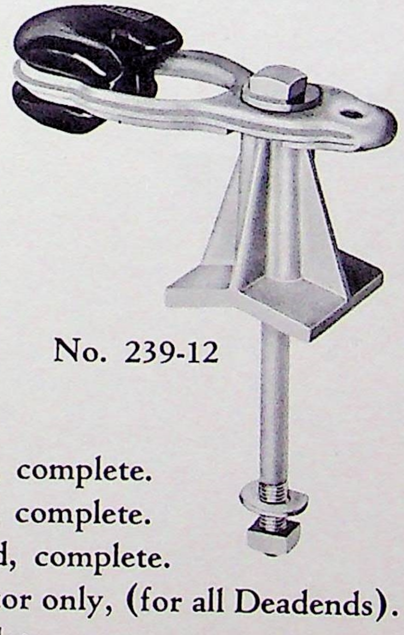
No. 239-13

ORDERING INFORMATION:

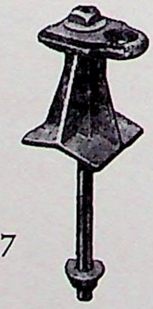
Porcelain Insulators are packed separately in standard packages of 50. **Approximate net weight: 32 lbs.**

Eye-bolts for No. 158 type are packed in standard packages of 50. **Approximate net weight: 60 lbs.**

Metal parts for No. 239 type are packed in standard packages of 25. **Approximate shipping weight: 90 lbs.**



No. 239-12

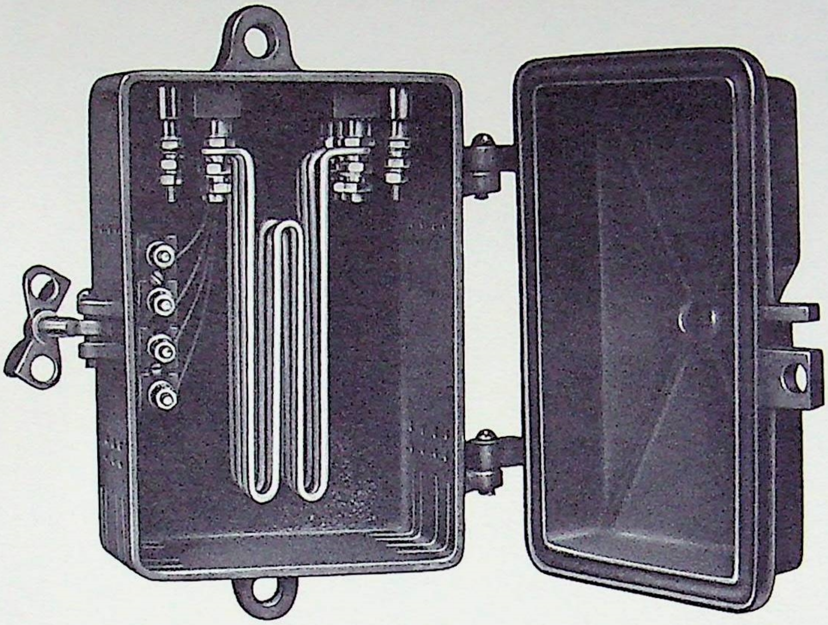


No. 239-7

ORDERING REFERENCES:

No. 158-2	RACO Single Deadend, complete.
No. 239-12	RACO Single Deadend, complete.
No. 239-13	RACO Double Deadend, complete.
No. 149-2	RACO Porcelain Insulator only, (for all Deadends).
No. 239-7	Deadend Anchor, complete.

High Water Detector



ORDERING REFERENCE:

No. 514-1 RACO High Water Detector

The **RACO High Water Detector** is designed on the resistance bridge principle and, therefore, has no moving parts to become defective through rust and corrosive action resulting from intermittent exposure to flood waters. The detection unit, composed of a copper clad, steel grid and sealed resistors is housed in a cast iron box with hinged cover and lock hasp. Box is slotted and drilled for appropriate entry of high water and for drainage of same on recession of the flood water.

Water rising to short circuit the resistance grid will cause external standard signal relay to drop away, opening signal control circuits. Circuitry usually provides for push button reset of detector repeating relay. Housing also includes terminals for line connections to energy source and repeating relay and appropriate cable outlet.

Housing may be lagged or bolted to wall or post.

OVERALL DIMENSIONS: 12⅝″ x 8⅜″ x 6½″

SHIPPING WEIGHT: 32 pounds

RACO 645-1 TRANSISTORIZED SPEAKER PHONE

RACO Transistorized Speaker phone #645-1

The RACO Transistorized Speakerphone is being used by most of the major railroads in the United States and Canada. This is convincing proof of its value for construction, testing, inspection or maintenance purposes.

The speakerphone is housed in a tough 6″ x 4″ x 3″ moulded plastic case. A choke is provided to prevent interference with carrier which may be present on the line.

Specifications:

Receiving:	
Sensitivity:	– 25 to –30 db
Impedance:	3000 ohms (300 cps to SKC) increasing above SKC to 15000 ohms at 30 KC.
Resonant Frequency:	100 cps. Impedance at this frequency is 750 ohms and rises rapidly to 3000 ohms either side of 100 cps.
Audio Power:	200 MW

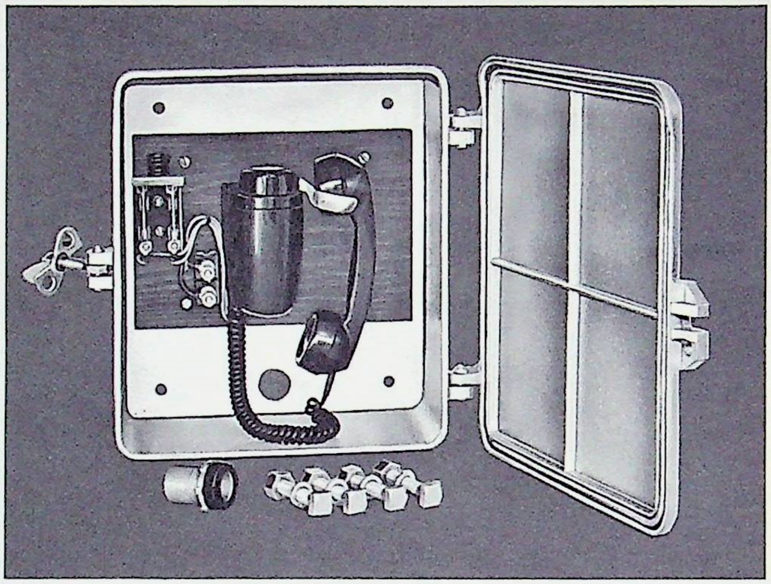
Transmitting:

Max. output:	10 db
Impedance:	600 ohms (300 cps to 3000 cps) increasing to 15000 ohms above 3000 cps.
Frequency Range:	300 cps to 3000 cps.
Batteries:	Eight 1.5V penlite type
Battery Life:	125 hrs. (6 hours per day, 5 days per week)

ORDERING REFERENCES

No. 645-1	**RACO** Speakerphone (as illustrated above)
No. 645-2	**RACO** Speakerphone (same as above except includes black leather carrying case)
No. 645-18	**RACO** black leather carrying case

RACO Wayside Telephone



ORDERING REFERENCE

No. 645-49 Raco Wayside Telephone

Also designed to replace the old style wood telephone box or booth, the RACO WAYSIDE TELEPHONE provides a conventional compact telephone (AE Co. Type 183 shown above) and line switch housed in a weatherproof cast aluminum case. Housing is designed for pole, post, or wall mounting. In this application local battery is located in instrument house to which the telephone housing is attached. Telephone can be provided with magneto ringer if desired. Door operated line disconnect switch also available.

Shipping weight as shown..23½ lbs.

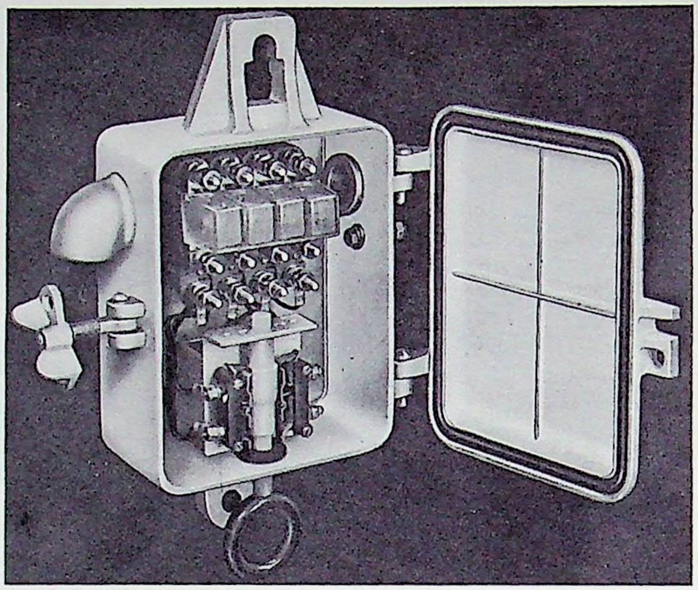
RACO PRODUCTS ENGINEERED FOR LONG LIFE

Railroad Accessories Corporation

October, 1964

Five Tenakill Park, Cresskill, New Jersey

Line Sectionalizing Switch



ORDERING REFERENCE

#LSS-10 Line Sectionalizing Switch

The **RACO Line Sectionalizing Switch** is designed to provide a means of opening TCS lines for test purposes. It comprises a double pole, single throw switch arrangement actuated by means of a cammed nylon rod which may be operated by hand or extension pole, such as a switch rod. The switch and RACO Clearview Arresters are housed in cast aluminum box designed for pole mounting.

Switch is normally closed with operating ring in the DOWN position. To open contacts for line test, operating ring is pushed upward by hand, or suitable extension rod.

Design is such that contacts cannot drift to open position due to vibrations. Contact surfaces are silver to silver with high degree of wiping action and tension.

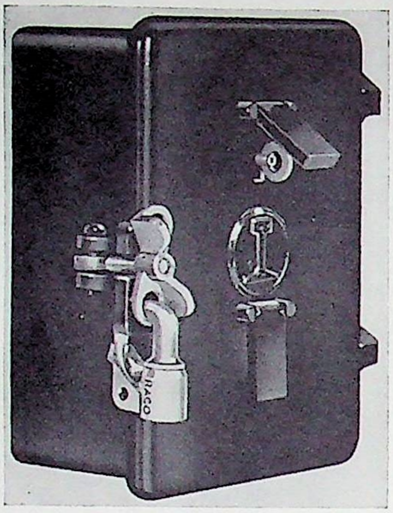
Ground connection is provided from Arresters to ground stud on housing, so that ground wire connection can be made on stud outside of housing.

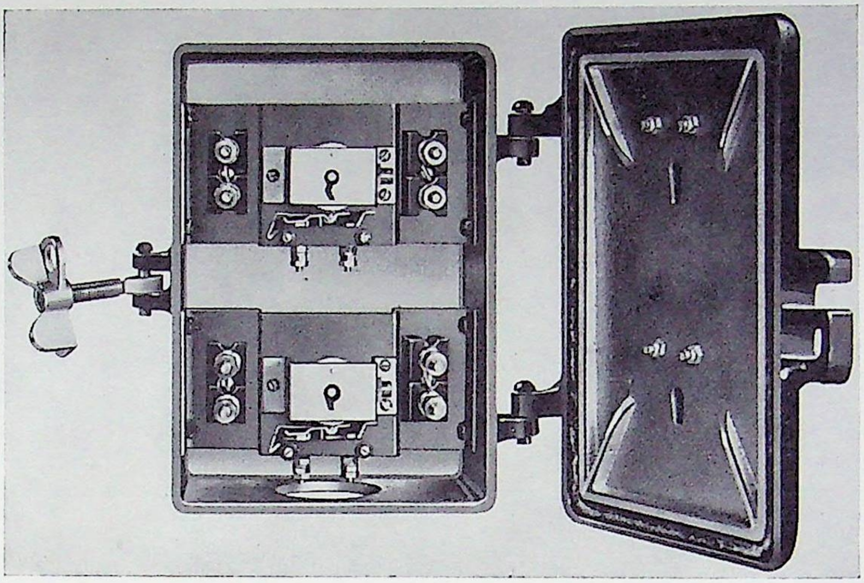
Ordering Reference — RACO #LSS-10 Line Sectionalizing Switch

OVERALL DIMENSIONS — 17″ x 11″ x 6″

SHIPPING WEIGHT — 12 pounds

RACO Switch Key Operated Circuit Controller





The RACO Switch Key Operated Circuit Controller is a simple rugged device made of quality components. It is particularly useful for testing, or emergency operation, of Highway Grade Crossing Signals. It may also be used as an emergency release device at Automatic Interlockings or any other application where a key operated circuit controller is required.

The key operated mechanisms are housed in a watertight aluminum box of first quality.

One or two mechanisms may be mounted in a box. The two mechanism type No. 655-2 is illustrated.

Each mechanism can be furnished with from one to four contact assemblies each assembly having one normally open and one normally closed contact.

ORDERING REFERENCE

No. 655-1	RACO Switch Key Operated Circuit Controller complete with one mechanism having (specify number) contacts.
No. 655-2	RACO Switch Key Operated Circuit Controller complete with two mechanisms each having (specify number) contacts.

Note: If you have not previously furnished us with a switch key please include one with your order so that it may be used for designing a key slot in the mechanism.

RACO PRODUCTS
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Railroad Accessories Corporation

Five Tenakill Park, Cresskill, New Jersey

January 1964